BRUHATH BANGALORE MAHANAGARA PALIKE

Ward 12, Shettyhalli

NAME OF WORK	**Improvements to main and cross roads at Babanna layout back side area chikkasandra in Ward No.12, Shettyhalli Sub Division.**

Estimated Cost	**50.00**	**Lakhs**

Sl. No.	Description of work	Measurments				Qty	Unit	Rate	Amount
		No.s	L	B	D				
1	Earthwork excavation by manual means in Hard Soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications with all leads and lifts including Conveying the excavated earth silt, debris and over burden earth etc., to lead of 0 to 9 kms distance by using private vehicle this includes the cost of loading and unloading charges etc., complete as per the direction of Engineer-in-charge of the work..(PWD SR 2016-17, Page No.142, Item No. 19.2)								
	Babanna layout approach roasd L/s	1	1	120.00	1.20	1.10	158.40			
	Market back side road L/s	2	1	105.00	1.20	1.10	277.20			
	cross road L/s	1	1	65.00	1.20	1.10	85.80			
	Culverts	8	1	6.50	1.80	1.10	102.96			
						Total qty.	**624.36**	**cum**	**208.82**	**130379.00**
2	KSRB 4 -1.3 : Providing and laying in position plain **cement concrete of mix 1:4:8** with OPC cement @ 180 kgs, with 40 mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cms, thick, well compacted, in foundation, including cost of all materials, labour HOM of machinery curing complete as per specifications. Specification No.KBS 4.1, 4.2 (PWD SR 2016-17, Page No.12, Item No. 4.3)								
	Babanna layout approach roasd L/s	1	1	120.00	1.20	0.15	21.60			
	Market back side road L/s	2	1	104.00	1.20	0.15	37.44			
	cross road L/s	1	1	65.00	1.20	0.15	11.70			
	Culverts	8	1	6.50	1.80	0.15	14.04			
						Total qty.	**84.78**	**sqm**	**5159.02**	**437382.00**
3	KSRRB M2200-5.9. **Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008- i) Upto 5 m height. (Pg.No.223, It.no.28.7.9)								
	for drain bottom									
	Babanna layout approach roasd L/s	1	1	120.00	1.10	0.15	19.80			

Market back side road L/s	2	1	105.00	1.10	0.15	34.65			
cross road L/s	1	1	65.00	1.10	0.15	10.73			
for side wall									
Babanna layout approach roasd L/s	2	1	120.00	0.15	0.75	27.00			
Market back side road L/s	2	2	105.00	0.15	0.90	56.70			
cross road L/s	2	1	65.00	0.15	0.90	17.55			
						166.43			
CD bottom	8	1	6.50	1.60	0.15	12.48			
side wall	8	2	6.50	0.35	0.75	27.30			
Deck slab	8	1	6.50	1.50	0.25	19.50			
						59.28			
				Total qty.		**225.71**	**sqm**	**6965.26**	**1572094.00**

4	KSRRB M2200-6. **Supplying, fitting and placing TMT bar Fe 500** reinforcement in sub-structure complete as per drawing and Technical Specifications complete as per specificationsMORTH Specification No.1600 & 2200 [P. no.17 - I. no.28.8.2]								
	for drains		65 kg/cum			10817.63			
	Cds		80 kgs/cum			**4742.40**	kgs		
						15560.03			
					Total qty.	**15.56**	**ton**	**74331.44**	**1156599.00**

5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc,. And removal of form work for **vertical surface** such as walls at any thickness, includig attached pilasters, butresses, plinth cills and string courses cost of all materials, labour complete as per specifications. (Pg. No.15, It. No.4.31)								
	Babanna layout approach roasd L/s	4	1	120.00		0.90	432.00		
	Market back side road L/s	4	2	105.00		0.90	756.00		
	cross road L/s	4	1	65.00		1.05	273.00		
	Cds	8	4	6.50		0.75	156.00		
					Total qty.		**1617.00**	**sqm**	**310.58**	**502208.00**

6	Supplying and fixing **precast reinforced concrete slab 10 cm thick** of mix M20 using 20mm and downsize graded granite metal using reinforcement 10mm dia steel at 150mmc/c bothways cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials - Data rate approved by Chief Engineer, Dasarahalli zone								
	Babanna layout approach	1	1	120.00	0.90		108.00		
	Market back side road	2	1	105.00	0.90		189.00		
	cross road L/s	1	1	65.00	0.90		58.50		
	missing slabs	2	1	22.00	0.90		39.60		
		1	1	13.55	0.90		12.16		
		2	1	20.00	0.90		36.00		
					Total qty.		**443.26**	**sqm**	**1680.00**	**744677.00**

45433.49.00

										Sub Total	4585677.00
10	KRIDL Charges @ 8%									408901.00	366854.00
11	PMC & QC Charges 1%									45433.00	45857.00
12	Miscellaneous and unforeseen charges									23170.00	1612.00
											5000000.00
	(Rupees FiftyLakhs Only)										

CERTIFICATE

1. *Certified that The work spot has been inspected by me and the work is necessary & site condition*
2. *Certified that the work is not split u*
3. *Certified that the estimate is based on PW,P&IWTD Bangalore Circle SR of 2016-17*
4. *Certified that Adequate & necessary provisions have made in the estimate.*
5. *Certified that the above area comes under BBMP limit*
6. *This Work is not included in any other work taken up*

Asst Engineer
Ward-12

Assistant Executive Engineer
Shettyhalli Sub Division
B.B.M.P

Excecutive Engineer
Dasarahalli Division
B.B.M.P

ಸಂ. EE/DD/AS/22/17-18 ದಿನಾಂಕ: 21.7.17
ರೂ. Fifty lakhs only (50.00 Lakhs)
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು

ನಂ. CE/TS/80/17-18 ದಿನಾಂಕ: 21/07/2017
ರೂ. Rs. 50.00 lakhs only/-
ಗೆ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿ
ತಾಂತ್ರಿಕ ಸಹಾಯಕರು
ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು